

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2009

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 - Opacity in excess of 40% - C.2 (a)	03/29/09	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 - Opacity in excess of 40% - C.2 (a)	03/30/09	6 Minutes		
Unit 1 - Opacity in excess of 40% - C.2 (a)	02/18/09	36 minutes	Operational transient condition	Return to steady operating condition
Unit 1 - Opacity in excess of 40% - C.2 (a)	03/19/09	24 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 - Opacity in excess of 40% - C.2 (a)	03/13/09	12 minutes	Operational transient condition	Return to steady operating condition

Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: April 29, 2009
Telephone: 812-354-7222

Attach a signed certification to complete this report.

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Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2009

Quarterly Deviation Report

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<i>Permit Requirement (including Condition No.)</i>	<i>Date of Deviation</i>	<i>Duration of Deviation</i>	<i>Probable Cause of Deviation</i>	<i>Response Steps Taken</i>
<i>Unit 1 - Opacity in excess of 40% - C.2 (a)</i>	<i>04/23/09 04/26/09</i>	<i>12 minutes 6 minutes</i>	<i>Power plant equipment malfunction</i>	<i>Repair as necessary and return to service</i>
<i>Unit 1 - Opacity in excess of 40% - C.2 (a)</i>	<i>04/15/09 04/20/09</i>	<i>6 minutes 6 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>

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Date: July 29, 2009

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Months: July to September Year: 2009

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<i>Permit Requirement (including Condition No.)</i>	<i>Date of Deviation</i>	<i>Duration of Deviation</i>	<i>Probable Cause of Deviation</i>	<i>Response Steps Taken</i>
<i>Unit 1 - Opacity in excess of 40% - C.2 (a)</i>	<i>09/09/09</i>	<i>30 minutes</i>	<i>Bypass stack startup</i>	<i>Complete bypass stack startup</i>
<i>Unit 2 - Opacity in excess of 40% - C.2 (a)</i>	<i>07/30/09</i>	<i>12 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 2 - Opacity in excess of 40% - C.2 (a)</i>	<i>08/01/09</i>	<i>6 minutes</i>	<i>Power plant equipment maintenance</i>	<i>Complete maintenance and return to service</i>

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Months: October to December Year: 2009

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 - Opacity in excess of 40% - C.2 (a)	11/19/09	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 - Opacity in excess of 40% - C.2 (a)	12/19/09	6 minutes	Operational transient condition	Return to steady operating condition

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<i>Permit Requirement (including Condition No.)</i>	<i>Date of Deviation</i>	<i>Duration of Deviation</i>	<i>Probable Cause of Deviation</i>	<i>Response Steps Taken</i>
<i>Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>02/17/10</i>	<i>6 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>03/19/10</i>	<i>6 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
	<i>01/24/10</i>	<i>6 minutes</i>		
	<i>03/07/10</i>	<i>24 minutes</i>		
	<i>03/08/10</i>	<i>6 minutes</i>		
<i>Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>03/09/10</i>	<i>36 minutes</i>	<i>Power plant equipment maintenance</i>	<i>Complete maintenance and return to service</i>
	<i>03/10/10</i>	<i>12 minutes</i>		
<i>Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)</i>	<i>02/23/10</i>	<i>18 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
	<i>03/09/10</i>	<i>3 minutes</i>		

Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: April 29, 2010

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Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
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Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2010

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This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

•X•NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

• •THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition): N/A

Date of Deviation: N/A

Duration of Deviation: N/A

Number of Deviations: N/A

Probable Cause of Deviation: N/A

Response Steps Taken: N/A

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Part 70 Permit No.: T125-6565-00002

Months: July to September Year: 2010

Quarterly Deviation Report

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<i>Permit Requirement (including Condition No.)</i>	<i>Date of Deviation</i>	<i>Duration of Deviation</i>	<i>Probable Cause of Deviation</i>	<i>Response Steps Taken</i>
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/01/10 08/16/10	6 minutes 54 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/16/10	24 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	07/16/10	2 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack – Opacity in excess of 40% - C.2 (a)	09/07/10	24 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Bypass Stack – Opacity in excess of 40% - C.2 (a)	08/23/10	12 minutes	Undetermined Cause	No corrective action required
Missed weekly VE notation – Limestone/Fly Ash/Gypsum Handling Facilities - D.4.8 (a)	07/12/10 – 07/18/10	N/A	Inadvertently missed due to communication failure	Reiterate to personnel the importance of these readings
Missed weekly baghouse pressure drop reading – Limestone/Fly Ash/Gypsum Handling Facilities – D.4.9 (a)	07/12/10 – 07/18/10	N/A	Inadvertently missed due to communication failure	Reiterate to personnel the importance of these readings
Missed record keeping of weekly VE notation – Limestone/Fly Ash/Gypsum Handling Facilities - D.4.10 (a)	07/12/10 – 07/18/10	N/A	Inadvertently missed due to communication failure	Reiterate to personnel the importance of these readings
Missed record keeping of weekly baghouse pressure drop reading – Limestone/Fly Ash/Gypsum Handling Facilities – D.4.10 (b)	07/12/10 – 07/18/10	N/A	Inadvertently missed due to communication failure	Reiterate to personnel the importance of these readings

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<i>Permit Requirement (including Condition No.)</i>	<i>Date of Deviation</i>	<i>Duration of Deviation</i>	<i>Probable Cause of Deviation</i>	<i>Response Steps Taken</i>
<i>Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>12/08/10</i>	<i>12 minutes</i>	<i>Power plant equipment malfunction</i>	<i>Repair as necessary and return to service</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>11/22/10 11/23/10 11/25/10</i>	<i>6 minutes 72 minutes 66 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>12/14/10 12/16/10 12/20/10</i>	<i>24 minutes 54 minutes 6 minutes</i>	<i>Power plant equipment malfunction</i>	<i>Repair as necessary and return to service</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)</i>	<i>11/22/10 11/25/10</i>	<i>1 minute 34 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)</i>	<i>12/16/10</i>	<i>19 minutes</i>	<i>Power plant equipment malfunction</i>	<i>Repair as necessary and return to service</i>

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Date: January 28, 2011

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Quarterly Deviation Report

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<i>Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>01/13/11 01/21/11</i>	<i>18 minutes 18 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>03/14/11</i>	<i>12 minutes</i>	<i>Power plant equipment malfunction</i>	<i>Repair as necessary and return to service</i>
<i>Unit 1 Bypass Stack – Opacity in excess of 40% - C.2 (a)</i>	<i>03/06/11</i>	<i>12 minutes</i>	<i>Bypass stack startup</i>	<i>Complete bypass stack startup</i>
<i>Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>02/24/11</i>	<i>6 minutes</i>	<i>Undetermined Cause</i>	<i>No corrective action required</i>
<i>Unit 2 Scrubbed & Bypass Stack - Opacity in Excess of 40% for more than 2 hours during unit shutdown. D.1.2.2(a)(2)</i>	<i>03/02/11</i>	<i>48 minutes</i>	<i>Unit shutdown</i>	<i>Complete unit shutdown</i>
<i>Unit 2 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)</i>	<i>03/02/11</i>	<i>1 minute</i>	<i>Unit Shutdown > TAOL (more than 2 hours of excess opacity)</i>	<i>Complete unit shutdown</i>

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Months: April to June Year: 2011

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/11/11	54 minutes	Power plant equipment malfunction	Repair as necessary and return to service
	05/18/11	114 minutes		
	06/26/11	12 minutes		
	06/28/11	66 minutes		
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2 (b)	04/11/11	29 minutes	Power plant equipment malfunction	Repair as necessary and return to service
	05/18/11	82 minutes		
	06/28/11	50 minutes		

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Part 70 Permit No.: T125-6565-00002, T125-29988-00002

Months: July to September Year: 2011

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/31/11	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/11	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/06/11	36 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	07/06/11	25 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/09/11	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2)	07/03/11 09/15/11	6 hours 3 hours	FGD Trip	Return FGD to service
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)	07/31/11	3 hours	Unit and FGD Trip and Restart	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) & D.2.3(a)	08/22/11 08/29/11	3 hours 3 hours	FGD Trip	Restart FGD

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report.

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Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	10/18/11	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/01/11	78 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	12/01/11	64 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	12/06/11	18 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)	12/06/11	3 minutes	Bypass stack startup	Complete bypass stack startup
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2)	12/11/11	3 hours	FGD Trip	Return FGD to service
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)	12/10/11 12/11/11	3 hours 3 hours	Unit and FGD startup	Complete unit and FGD startup

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<i>Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>03/14/12</i>	<i>54 minutes</i>	<i>Power plant equipment maintenance</i>	<i>Complete maintenance and return to service</i>
<i>Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>02/06/12</i>	<i>48 minutes</i>	<i>Bypass stack startup</i>	<i>Complete bypass stack startup</i>
<i>Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2 (b)</i>	<i>02/06/12</i>	<i>9 minutes</i>	<i>Bypass stack startup</i>	<i>Complete bypass stack startup</i>
<i>Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)</i>	<i>03/28/12</i>	<i>6 minutes</i>	<i>Operational transient condition</i>	<i>Return to steady operating condition</i>
<i>Unit 3 – SO₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2)</i>	<i>01/08/12</i>	<i>3 hours</i>	<i>Unit and FGD startup</i>	<i>Complete unit and FGD startup</i>
<i>Unit 4 – SO₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.3(a)</i>	<i>01/06/12</i>	<i>3 hours</i>	<i>FGD trip</i>	<i>Return FGD to service</i>

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Months: April to June Year: 2012

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/14/12 05/16/12 05/28/12	6 minutes 6 minutes 12 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/30/12 05/15/12	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/04/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	06/05/12 06/14/12 06/27/12	24 minutes 18 minutes 24 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/24/12	6 minutes	Undetermined cause	No corrective action required
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	05/01/12	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 - SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) & D.2.3(a)	04/15/12 05/13/12	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report.

*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

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Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/07/12	6 minutes	Operational transient condition	Return to steady operating condition
	08/24/12	6 minutes		
	08/28/12	6 minutes		
	08/30/12	6 minutes		
	09/09/12	6 minutes		
	09/10/12	6 minutes		
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/20/12	6 minutes		
	08/20/12	12 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/16/12	36 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/20/12	36 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/26/12	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	07/03/12	18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	09/02/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
	09/11/12	6 minutes		
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	07/03/12	6 minutes	Operational transient condition	Return to steady operating condition
	07/12/12	12 minutes		
	07/13/12	12 minutes		
	07/15/12	24 minutes		
	07/25/12	6 minutes		
	08/15/12	6 minutes		
	08/16/12	18 minutes		
Unit 3 - SO ₂ in excess of 1.2 lbs/mmBtu for a 3-hour average - D.2.2(b)(2) *	09/05/12	6 minutes		
	07/31/12	3 hours	Unit and FGD startup *	Complete unit and FGD startup
	08/20/12	3 hours		

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. *Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: October 29, 2012

Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: October to December Year: 2012

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	11/05/12 12/12/12	6 minutes 12 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/09/12 12/21/12 12/22/12	12 minutes 48 minutes 6 minutes	Undetermined Cause	No Corrective Action Required
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	12/13/12	6 minutes	Bypass stack startup	Complete bypass stack startup
Unit 2 Scrubbed Stack – Opacity in Excess of 40% for more than 1 reading in a 60 minute period, or more than 3 readings in a 12 hour period – D.1.2(b)	12/22/12	18 minutes	Soot blowing	Complete soot blowing
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	11/06/12 12/09/12	6 minutes 24 minutes	Undetermined Cause	No Corrective Action Required
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	11/17/12 11/29/12	6 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	11/03/12	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	10/27/12 12/09/12 12/12/12 12/17/12	3 hours 3 hours 3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	11/24/12	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	12/04/12	3 hours	FGD Trip and Restart	Complete FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report.
*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: January 28, 2013
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2013

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/03/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/17/13	30 minutes	Bypass stack startup	Complete bypass stack startup
	01/30/13	54 minutes		
	03/31/13	6 minutes		
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period - C.2(b)	01/30/13	12 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 40% - D.1.2(a)(2)	03/01/13	18 minutes	Unit Shutdown with greater than 20 6-minute readings above 40%	Complete unit shutdown
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/20/13	12 minutes	Undetermined Cause	No Corrective Action Required
	03/09/13	6 minutes		
	03/16/13	6 minutes		
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/11/13	36 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/13/13	6 minutes	Undetermined Cause	No Corrective Action Required
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	01/09/13	24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	01/11/13	3 hours	FGD trip – control system failure *	Repair as necessary and return to service
	01/15/13	3 hours		
	01/19/13	3 hours		
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	03/01/13	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	01/22/13	9 hours	FGD trip – control system failure *	Repair as necessary and return to service

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report.
*Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: April 26, 2013
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2013

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/12/13	12 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/30/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/01/13 06/20/13	12 minutes 6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/28/13	12 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	04/10/13 04/11/13	6 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	04/15/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	06/10/13	18 minutes	SCR startup	Complete SCR startup
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	04/27/13	3 hours	FGD trip and restart *	Complete FGD startup
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	06/09/13	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	04/27/13 06/16/13	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	04/27/13	3 hours	Unit and FGD trip and restart	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. *Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: July 26, 2013
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: July to September Year: 2013

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/11/13	18 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/02/13	6 minutes	Undetermined cause	No corrective action required
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	07/31/13	24 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	07/18/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	08/25/13	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	09/05/13	48 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	08/14/13	6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	08/25/13	6 minutes	SCR startup	Complete SCR startup
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	08/08/13	6 hours	FGD equipment failure	Return FGD equipment to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	08/22/13	6 hours		
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	09/05/13	3 hours		
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	08/10/13	6 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	08/11/13	3 hours		
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	08/14/13	3 hours	Unit and FGD shutdown *	Complete unit and FGD shutdown
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	08/21/13	6 hours	FGD trip and restart *	Complete FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	08/04/13	3 hours	Unit and FGD trip and restart *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	08/10/13	3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	08/23/13	3 hours	FGD trip and restart *	Complete FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. *Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: October 25, 2013
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: October to December Year: 2013

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	10/31/13 11/03/13 11/07/13 11/10/13 11/12/13 12/12/13	6 minutes 6 minutes 6 minutes 6 minutes 6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	11/05/13 11/07/13 11/22/13 11/23/13 11/24/13 12/08/13	12 minutes 12 minutes 12 minutes 12 minutes 12 minutes 48 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	11/05/13 11/07/13 12/07/13 12/30/13	6 minutes 12 minutes 6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	10/09/13	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	10/05/13 10/09/13 11/03/13 11/15/13 11/30/13	24 minutes 6 minutes 12 minutes 6 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	10/17/13 10/21/13 10/25/13 11/16/13 11/20/13 11/24/13	6 minutes 6 minutes 6 minutes 6 minutes 24 minutes 30 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	11/30/13 12/15/13 12/20/13	6 minutes 6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 3 – NOX in excess of 0.7 lbs/mmbtu for a 3-hour average – D.2.2(c)(2)*	10/08/13	15 hours	Unit trip and restart	Complete unit startup
Unit 3 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	10/08/13 11/23/13 12/04/13 12/24/13	12 hours 3 hours 3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	04/27/13 06/16/13	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO2 in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.7 *	12/19/13	3 hours	FGD trip and restart *	Complete FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. *Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: January 27, 2014

Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/21/14	18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/01/14	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/05/14	6 minutes	Undetermined cause	No corrective action required
	01/09/14	12 minutes		
	01/24/14	6 minutes		
	01/26/14	6 minutes		
	01/30/14	6 minutes		
	01/31/14	6 minutes		
	02/04/14	6 minutes		
	02/05/14	6 minutes		
	02/06/14	6 minutes		
	02/10/14	18 minutes		
	02/12/14	18 minutes		
	02/13/14	6 minutes		
	02/14/14	6 minutes		
	02/15/14	12 minutes		
	02/19/14	6 minutes		
	02/22/14	12 minutes		
	02/23/14	18 minutes		
	02/24/14	6 minutes		
	02/25/14	18 minutes		
	03/03/14	6 minutes		
	03/04/14	6 minutes		
	03/17/14	6 minutes		
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/05/14	18 minutes	Operational transient condition	Return to steady operating condition
	03/02/14	6 minutes		
	03/11/14	24 minutes		
	03/18/14	18 minutes		
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	03/21/14	6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
	03/28/14	6 minutes		
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/11/14	6 minutes	Undetermined cause	No corrective action required
	03/12/14	6 minutes		
	03/13/14	18 minutes		
	03/19/14	6 minutes		
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/25/14	6 minutes	Removing ash or blowing tubes	Complete removing ash or blowing tubes
	03/24/14	6 minutes		
Unit 2 Scrubbed Stack – Opacity in Excess of 40% for more than 1 reading in a 60 minute period, or more than 3 readings in a 12 hour period – D.1.2(b)				
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	03/26/14	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	02/14/14	12 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	02/16/14	36 minutes	Power plant equipment malfunction	Repair as necessary and return to service
	02/18/14	42 minutes		
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	03/06/14	6 minutes	Undetermined cause	No corrective action required
	02/19/14	6 minutes		
	03/03/14	12 minutes		
	03/06/14	6 minutes		
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	03/28/14	6 minutes		
	03/30/14	30 minutes		

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/10/14	24 minutes	SCR startup	Complete SCR startup
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/05/14 01/06/14 01/27/14 01/31/14 02/02/14 02/05/14 02/06/14 02/14/14 02/16/14 03/04/14 03/09/14 03/14/14	6 minutes 6 minutes 6 minutes 6 minutes 12 minutes 12 minutes 12 minutes 6 minutes 6 minutes 6 minutes 6 minutes 18 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/20/14 02/01/14 02/06/14 02/07/14 02/10/14 02/11/14 02/18/14 03/06/14	6 minutes 36 minutes 6 minutes 12 minutes 12 minutes 36 minutes 6 minutes 18 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 40% - D.2.2(a)(2)	01/31/14 02/01/14 02/04/14 02/06/14 02/11/14 02/15/14 02/17/14 03/02/14 03/03/14 03/04/14 03/05/14 03/14/14	6 minutes 12 minutes 6 minutes 24 minutes 6 minutes 12 minutes 54 minutes 6 minutes 18 minutes 6 minutes 12 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 40% - D.2.2(a)(2)	01/12/14 02/27/14 03/20/14	12 minutes 36 minutes 6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmBtu for a 3-hour average – D.2.2(b)(2) *	01/09/14	3 hours	Unit and FGD startup *	Complete unit and FGD startup

A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. However, IPL has elected to include NSPS excess emissions in this report. *Excess emissions which occur during periods of Startups, Shutdowns, & Malfunctions are exempt per 40 CFR 60.8(c).

Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: April 28, 2014

Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/13/14 05/08/14 05/10/14	6 minutes 84 minutes 30 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/01/14 05/15/14	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	06/16/14	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	05/08/14	25 minutes	Bypass stack startup	Complete bypass stack startup
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/08/14 06/26/14	12 minutes 12 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	06/08/14	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/09/14 04/14/14 04/25/14	6 minutes 12 minutes 6 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	05/28/14	36 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/02/14 04/03/14 04/04/14 04/05/14 04/07/14 04/08/14 04/09/14 04/10/14 04/13/14 04/14/14 04/15/14 04/20/14 04/21/14 04/22/14 04/25/14	24 minutes 90 minutes 36 minutes 36 minutes 60 minutes 6 minutes 36 minutes 24 minutes 6 minutes 90 minutes 18 minutes 6 minutes 6 minutes 6 minutes 24 minutes	Undetermined cause	No corrective action required
Unit 2 Bypass Stack - Opacity in Excess of 40% for more than 1 reading in a 60 minute period, or more than 3 readings in a 12 hour period – D.1.2(b)	04/04/14 04/14/14 04/15/14 04/25/14	6 minutes 6 minutes 12 minutes 6 minutes	Removing ashes or blowing tubes	Complete removing ashes or blowing tubes
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/04/14 04/14/14 04/15/14	6 minutes 12 minutes 30 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in Excess of 40% for More than 20 6-minute averages during a unit shutdown- D.12(a)(2)	04/25/14	24 minutes	Unit shutdown	Complete unit shutdown
Unit 2 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	04/14/14 04/15/14	36 minutes 1 minute	Undetermined caues Operational Transient Condition	No corrective action required Return to steady operating condition

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2014

Quarterly Deviation Report

Page 3 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/09/14 05/13/14 05/24/14 05/25/14 06/02/14 06/12/14	12 minutes 6 minutes 12 minutes 6 minutes 18 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/22/14 06/12/14 06/16/14 06/25/14	72 minutes 18 minutes 12 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	05/29/14	18 minutes	SCR Startup	Complete SCR startup
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/04/14	6 minutes	Undetermined cause	No corrective action required
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	06/03/14	48 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	04/24/14 04/27/14 05/02/14 05/07/14 06/29/14	3 hours 6 hours 6 hours 6 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	05/28/14	3 hours	Unit and FGD startup *	Complete unit and FGD startup

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Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: July 29, 2014
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: July to September Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/17/14	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	07/21/14 07/29/14 07/30/14	102 minutes 6 minutes 18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	08/18/14	36 minutes	Operational transient condition	Return to steady operating condition
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/02/14	12 minutes	Undetermined cause	No corrective action required
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	09/18/14	42 minutes	PM characterization testing	Complete PM characterization testing
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	07/21/14	68 minutes	Power plant equipment malfunction	Return to steady operating condition
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/28/14	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	08/29/14	6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	07/10/14 07/11/14 07/23/14 08/16/14 08/18/14 09/26/14	6 minutes 12 minutes 12 minutes 18 minutes 6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	08/20/14 08/30/14	6 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	08/21/14	12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/12/14 08/18/14 08/20/14 08/25/14 09/03/14	30 minutes 6 minutes 18 minutes 36 minutes 24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/16/14	12 minutes	Operational transient condition	Return to steady operating condition
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	08/25/14 08/28/14	12 minutes 24 minutes	Undetermined cause	No corrective action required
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) *	09/18/14	6 hours	Operational transient condition	Return to steady operating condition
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	07/17/14 07/22/14	3 hours 3 hours	FGD trip and restart *	Complete FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D.2.2(b)(2) and D.2.3(a) *	09/23/14 09/27/14	9 hours 6 hours	FGD equipment failure	Return FGD equipment to service

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Months: July to September Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Coal Handling Visible Emissions Notations D.3.3 (a)	09/29/14 thru 10/03/14	1 per week	Missed once weekly VE notations for coal handling transfer points	Complete refresher training of personnel to clarify responsibilities
Unit 2 - Performance Testing Test Protocol Submittal C.13(b)	10/07/14	10 Days	Did not meet 35 day submittal requirement for Pete 2 Scrubbed Stack PM Correlation Testing	Complete refresher training of personnel to clarify responsibilities
Facility – Annual Compliance Certification B.9	07/01/14	N/A	Missed deadline for filing Annual Compliance Certification	Complete initial and refresher training of personnel to clarify responsibilities

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Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: October 29, 2014

Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: October to December Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	10/28/14	6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	11/21/14 12/04/14 12/30/14	24 minutes 6 minutes 30 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	11/25/14	6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	10/07/14	6 minutes	PM characterization testing	Complete PM characterization testing
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	11/27/14 12/02/14 12/03/14	6 minutes 54 minutes 30 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	10/15/14 10/22/14	30 minutes 30 minutes	PM characterization testing	Complete PM characterization testing
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	12/18/14	18 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	10/05/14 10/10/14 12/13/14 12/14/14 12/15/14	6 minutes 6 minutes 18 minutes 12 minutes 12 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	10/06/14 10/10/14 11/27/14 12/17/14 12/18/14 12/20/14	12 minutes 6 minutes 6 minutes 6 minutes 12 minutes 12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	10/12/14 11/05/14 11/06/14 11/10/14 12/02/14 12/18/14 12/19/14 12/23/14	12 minutes 12 minutes 6 minutes 6 minutes 6 minutes 12 minutes 12 minutes 12 minutes	Operational transient condition	Return to steady operating condition
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	10/02/14 11/10/14 11/11/14 11/21/14 12/06/14 12/08/14 12/17/14	6 minutes 12 minutes 12 minutes 6 minutes 6 minutes 12 minutes 24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	11/19/14 11/22/14 11/27/14	30 minutes 18 minutes 18 minutes	Operational transient condition	Return to steady operating condition
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	12/03/14	18 minutes	Undetermined cause	No corrective action required
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	11/24/14 11/30/14	3 hours 6 hours	Unit and FGD startup *	Complete unit and FGD startup

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Months: October to December Year: 2014

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 4 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	11/19/14	7 minutes	Operational transient condition	Return to steady operating condition
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	12/24/14	3 hours	Unit and FGD startup *	Complete unit and FGD startup

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Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: January 28, 2015

Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2015

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/05/15	6 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/23/15 02/03/15	6 minutes 72 minutes	PM characterization testing	Complete PM characterization testing
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/27/15	6 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	02/19/15	42 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/09/15	6 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/10/15 02/14/15 02/24/15 02/26/15 03/08/15 03/14/15	42 minutes 48 minutes 18 minutes 12 minutes 30 minutes 12 minutes	Operational transient condition	Return to steady operating condition
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/11/15 02/09/15 02/24/15 03/11/15 03/27/15	6 minutes 6 minutes 12 minutes 6 minutes 12 minutes	Undetermined cause	No corrective action required
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/11/15 01/12/15 01/13/15 03/07/15 03/08/15 03/12/15 03/15/15 03/17/15 03/22/15 03/26/15	90 minutes 96 minutes 120 minutes 6 minutes 6 minutes 6 minutes 6 minutes 24 minutes 18 minutes 12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/23/15 02/10/15	66 minutes 18 minutes	PM characterization testing	Complete PM characterization testing
Unit 1 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/11/15 01/12/15 01/13/15	2 minutes 5 minutes 44 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	01/03/15 01/08/15	18 minutes 24 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/08/15	9 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/08/15	78 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 2 Bypass Stack - Opacity in excess of 40% - C.2 (a)	01/12/15 01/29/15	6 minutes 12 minutes	Bypass stack startup or shutdown	Complete bypass stack startup/shutdown
Unit 2 Bypass Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/08/15	4 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	01/19/15 01/25/15 03/21/15	12 minutes 6 minutes 12 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	03/18/15	30 minutes	SCR startup	Complete SCR startup

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Part 70 Permit No.: T125-6565-00002

Months: January to March Year: 2015

Quarterly Deviation Report

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Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	01/19/15 01/24/15 01/25/15 02/01/15 02/14/15	42 minutes 72 minutes 30 minutes 42 minutes 12 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	02/03/15 02/08/15 03/08/15 03/10/15	6 minutes 12 minutes 6 minutes 6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	03/24/15	84 minutes	PM characterization testing	Complete PM characterization testing
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	01/05/15 02/02/15 03/02/15 03/22/15	12 minutes 12 minutes 12 minutes 6 minutes	Undetermined cause	No corrective action required
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	01/14/15 01/20/15 02/05/15 02/24/15 03/01/15 03/07/15 03/23/15 03/31/15	24 minutes 6 minutes 24 minutes 12 minutes 54 minutes 12 minutes 12 minutes 30 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	01/19/15 01/26/15 01/29/15	30 minutes 18 minutes 102 minutes	PM characterization testing	Complete PM characterization testing
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	01/19/15	3 hours	Booster fan trip	Return booster fan to operation
Unit 3 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	01/23/15 03/20/15	3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 3 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/24/15	4 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	01/24/15	2 minutes	PM characterization testing	Complete PM characterization testing
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	01/03/15 02/22/15 03/20/15	3 hours 3 hours 3 hours	Unit and FGD startup *	Complete unit and FGD startup
Unit 4 – SO ₂ in excess of 1.2 lbs/mmbtu for a 3-hour average – D2.2(b)(2) *	01/29/15	3 hours	PM characterization testing	Complete PM characterization testing

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Form Completed by: Jeffrey A. Harter
Title/Position: Title IV Designated Representative
Date: January 28, 2015
Telephone: 812-354-7222

Attach a signed certification to complete this report.

Source Name: Indianapolis Power & Light Company – Petersburg Generating Station
Source Address: 6925 N. State Road 57, Petersburg, Indiana 47567
Mailing Address: P.O. Box 436, Petersburg, Indiana 47567
Part 70 Permit No.: T125-6565-00002

Months: April to June Year: 2015

Quarterly Deviation Report

Page 2 of 3

Permit Requirement (including Condition No.)	Date of Deviation	Duration of Deviation	Probable Cause of Deviation	Response Steps Taken
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/08/15 04/16/15 04/19/15 04/20/15 04/23/15 04/25/15 05/10/15 05/14/15 06/25/15	54 minutes 12 minutes 30 minutes 6 minutes 6 minutes 12 minutes 6 minutes 6 minutes 18 minutes	Undetermined cause	No corrective action required
Unit 1 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/24/15	6 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 1 Scrubbed Stack - Opacity in Excess of 40% for more than 1 reading in a 60 minute period, or more than 3 readings in a 12 hour period – D.1.2(b)	05/12/15	6 minutes	Removing ashes or blowing tubes	Complete removing ashes or blowing tubes
Unit 1 Scrubbed Stack - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	04/08/15 04/19/15	17 minutes 12 minutes	Undetermined cause	No corrective action required
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	04/15/15	66 minutes	QA/QC Activities	Complete QA/QC Activities
Unit 1 Bypass Stack - Opacity in excess of 40% - C.2 (a)	05/28/15	12 minutes	Undetermined cause	No corrective action required
Unit 2 Scrubbed Stack - Opacity in excess of 40% - C.2 (a)	04/03/15	6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/02/15 06/26/15 06/27/15	12 minutes 120 minutes 132 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/10/15	6 minutes	Undetermined cause	No corrective action required
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/21/15 06/24/15 06/30/15	12 minutes 36 minutes 48 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/23/15 06/29/15	66 minutes 18 minutes	SCR Startup	Complete SCR startup
Unit 3 - Opacity in excess of 20% - D.2.2(a)(2)	06/24/15	6 minutes	Operational transient condition	Return to steady operating condition
Unit 3 - Opacity in excess of 60% for more than 15 1-min readings in a 6-hr period -C.2(b)	06/26/15	68 minutes	Power plant equipment maintenance	Complete maintenance and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	04/21/15 06/11/15 06/16/15 06/29/15	18 minutes 30 minutes 6 minutes 36 minutes	Power plant equipment malfunction	Repair as necessary and return to service
Unit 4 - Opacity in excess of 20% - D.2.2(a)(2)	06/30/15	24 minutes	Undetermined cause	No corrective action required

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Form Completed by: Jeffrey A. Harter

Title/Position: Title IV Designated Representative

Date: July 29, 2015

Telephone: 812-354-7222

Attach a signed certification to complete this report.